

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(Pursuant to NAC 445A.236)

Permittee Name: Falcon Ridge Investments, LLC
1024 Normandy Lane
Mesquite, NV 89027

Permit Number: NEV2000512

Location: Falcon Ridge Golf Course
1024 Normandy Lane
Mesquite, NV 89024

Latitude: 36° 49' 0.3" N
Longitude: 114° 6' 7.9" W
T13S, R71E, S7 & S18
T13S, R70E, S13

General Description of Facility and Discharge: The applicant has applied for renewal of groundwater discharge permit NEV2000512, which was originally issued in August of 2001.

Falcon Ridge Investments, LLC (formerly known as Falcon Ridge Development, LLC and as Corcha, LLC) owns and operates the Falcon Ridge Golf Course (FRGC), an 18 hole golf course, located in the northwest portion of the City of Mesquite, Clark County, Nevada.

FRGC uses tertiary treated, denitrified, and disinfected reclaimed water for golf course fairway irrigation. The quality of the reclaimed water, and authorized end use, are regulated by permit NEV40011, issued for the City of Mesquite's Wastewater Treatment Facility (CoM-WWTF). Effluent discharged from CoM-WWTF meets reuse Category A requirements (zero buffer zone).

The reclaimed water is pumped to FRGC via pipelines owned and operated by the City of Mesquite. FRGC stores the reclaimed water in two (2) golf course lakes which are both lined with 30-mil PVC liners to prevent leakage.

FRGC currently spray irrigates approximately 138 acres of golf course fairways with reclaimed water. Tee boxes and greens are irrigated with potable-quality water. The reclaimed water irrigation system is separate from the public water supply system, with no cross connections.

Spray irrigation, using reclaimed water, will be conducted in accordance with an Effluent Management Plan (EMP) submitted to, and approved by, the Nevada Division of Environmental Protection (NDEP).

Flow: The applicant has requested the use of up to 1150 acre-feet per year, approximately 1.0 million gallons per day (MGD), of reclaimed water.

Well Head and Drinking Water Supply Protection: Portions of this facility are located within the 6000', 3000' and 1000' radius buffer for Drinking Water Protection Areas (DWPA) around two public water supply wells (W06 and W09) that are owned by Virgin Valley Water District (NV0000167). Well W06 is ranked as moderately vulnerable to volatile organic compounds (VOCs) and synthetic organic compounds (SOCs). The facility is not located within a Well Head Protection Area (WPA).

Receiving Water Characteristics: Discharge is to groundwater of the state via percolation.

Site Groundwater: Depth to groundwater is reported to be in excess of 100 feet. Regional groundwater flow is reported to be to the southwest. Groundwater monitoring wells are not proposed for this site.

Corrective Action Sites: There are no Bureau of Corrective Actions remediation sites within a one-mile radius of the facility.

Proposed Effluent Limitations: Discharges shall be limited and monitored by the Permittee as specified in the table below.

PARAMETERS	Discharge Limitations		Monitoring Requirements	
	30-Day Average	Daily Maximum	Frequency	Sample Type
Flow (MGD)	Monitor & Report	Monitor & Report	Continuous	Flow Meter
Total Nitrogen as N (mg/L)	Monitor & Report	Monitor & Report	Weekly	Calculate
Fecal Coliform (CFU. or MPN/100 ml)	2.2	23	Weekly	Discrete

MGD: Million Gallons per Day

CFU: Colony Forming Units

MPN: Most probable number per 100 milliliters of treated effluent

Rationale for Permit Requirements: Effluent monitoring is required to track the quality and quantity of reclaimed water being used for irrigation.

Schedule of Compliance: The Permittee shall implement and comply with the provisions of the following schedule of compliance after approval by the administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- Within 45 days of the permit effective date, the Permittee shall submit current cross-connection control documentation as required by Part I.B.12. of the permit.

- c. The Permittee shall maintain, and revise as necessary, an approved Effluent Management Plan (EMP) compiled in accordance with NDEP guidance document WTS-1B, *“General Design Criteria for Preparing an Effluent Management Plan”*. This plan shall be prepared and stamped by a Nevada Registered Professional Engineer.

Within sixty (60) days of the permit effective date, the Permittee shall:

- i. Submit an updated EMP for the Permittee’s managed reclaimed water use site for review and approval by the Division. The submitted EMP shall address any change in the operational procedures, or equipment used at, the permitted facility, as well as any changes made at CoM-WWTF which may affect the quality of the reclaimed water.
OR
 - ii. Submit a letter to the Division indicating that there has been no change to the previously approved EMP, and that the manual and approved operations are still valid for the Permittee’s managed reclaimed water use site.
- d. In adherence with the approved EMP, the Permittee shall provide the following certification with each quarterly report: *“I certify that during each month of the previous quarterly reporting period, all operational procedures outlined in the approved Effluent Management Plan for this facility were adhered to.”*

Proposed Determination: The Division has made the tentative determination to renew the permit, subject to limitations and conditions, for a period of five (5) years.

Procedures for Public Comment: The notice of the Divisions intent to issue a permit authorizing FRGC to discharge to groundwater of the State of Nevada, subject to the conditions contained within the permit, is being sent to the **Las Vegas Review Journal** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time stamped faxes, e-mails, or hand delivered items) to the Division is **August 24, 2011 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reason why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.